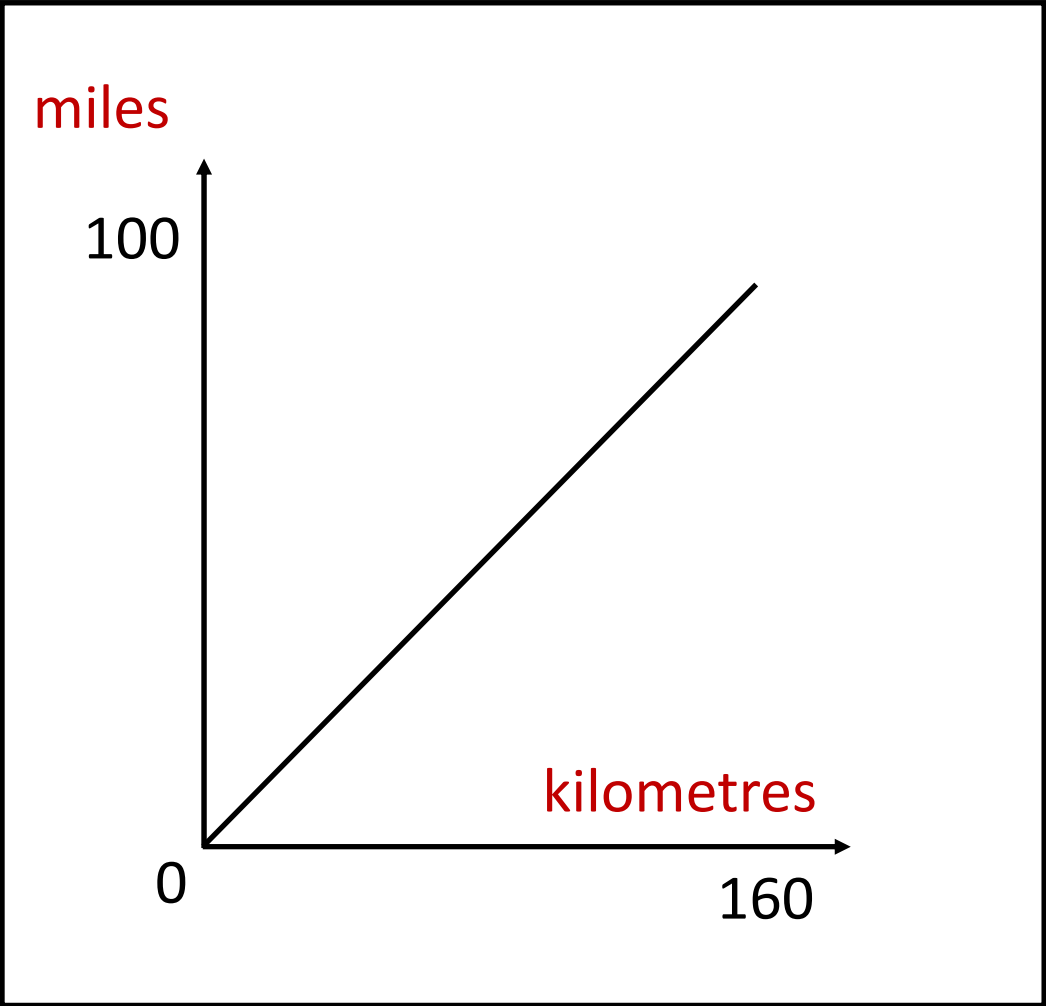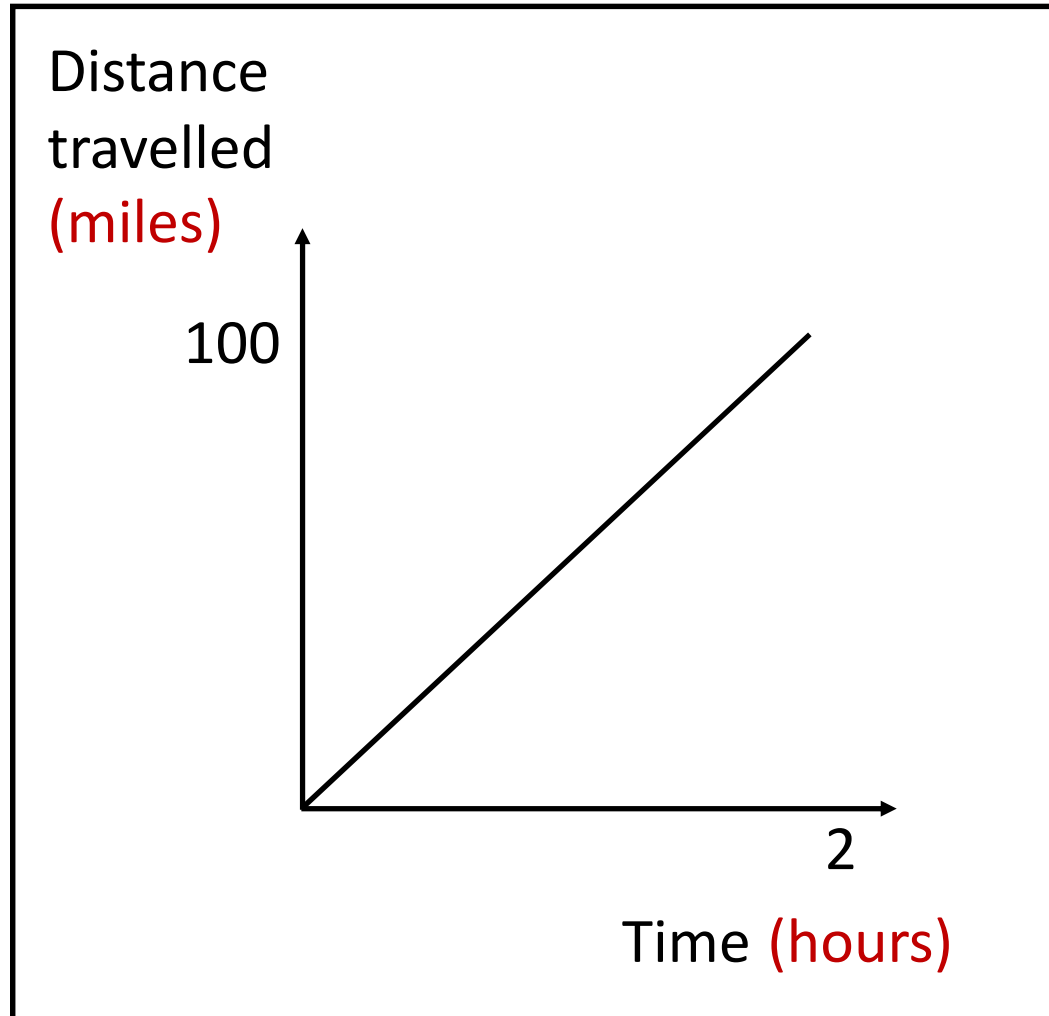# Matching graphs and scenarios

Measuring pulse rate

Measurements from real-life situations give different shapes of graph.

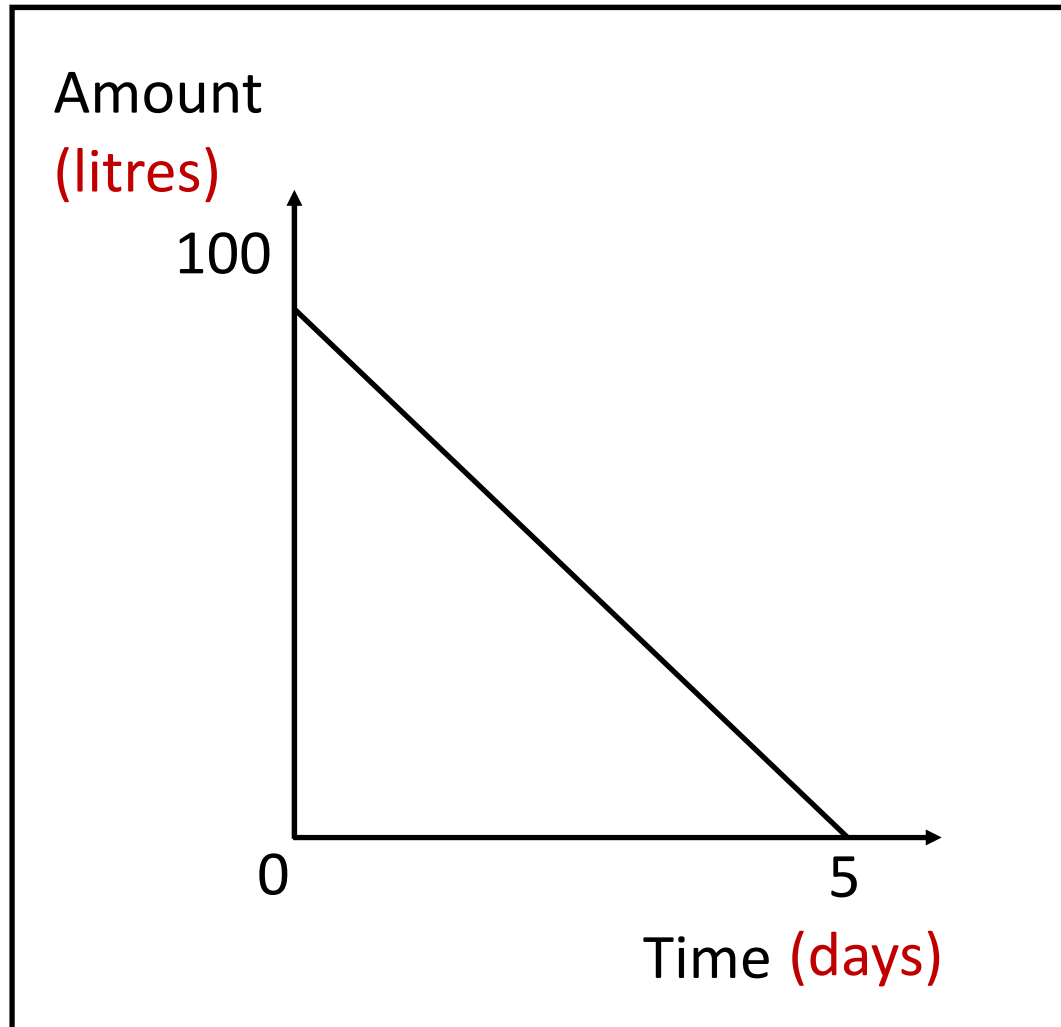Using the cards, match each scenario with its graph.

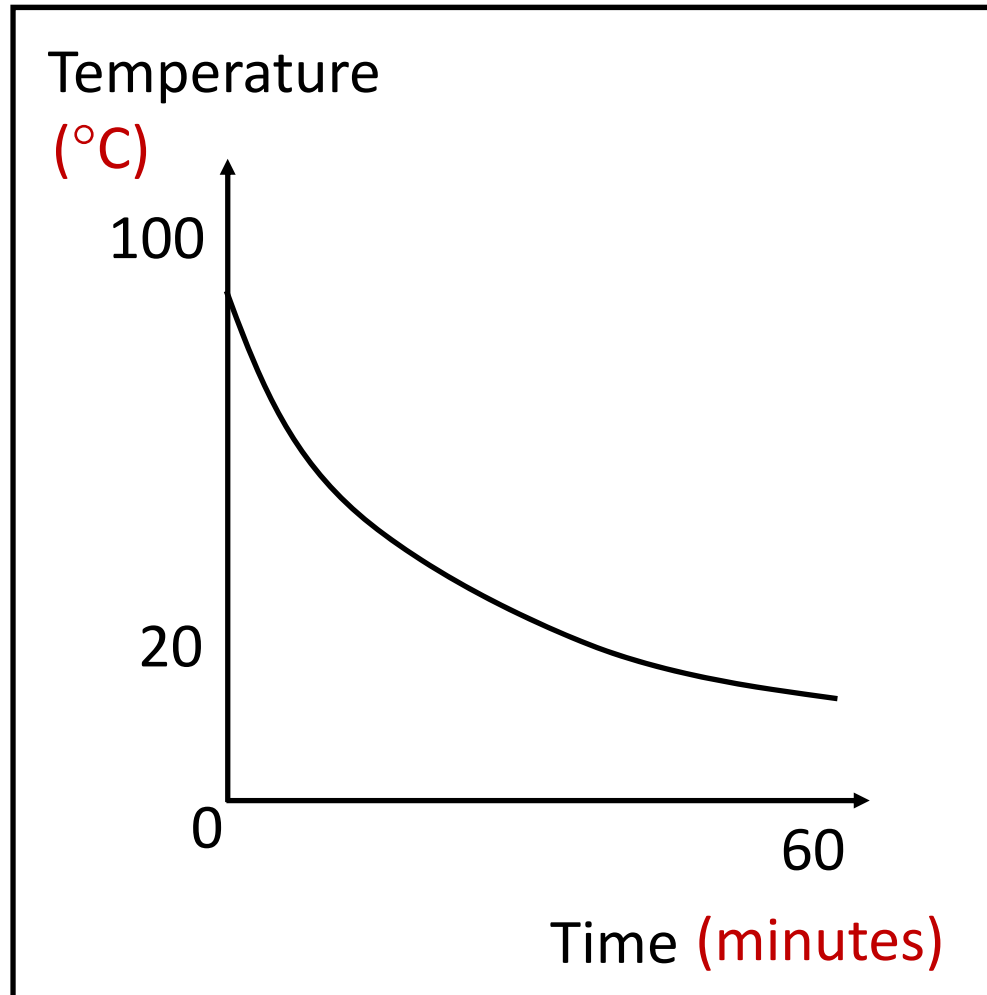# Conversion graph (miles against kilometres)
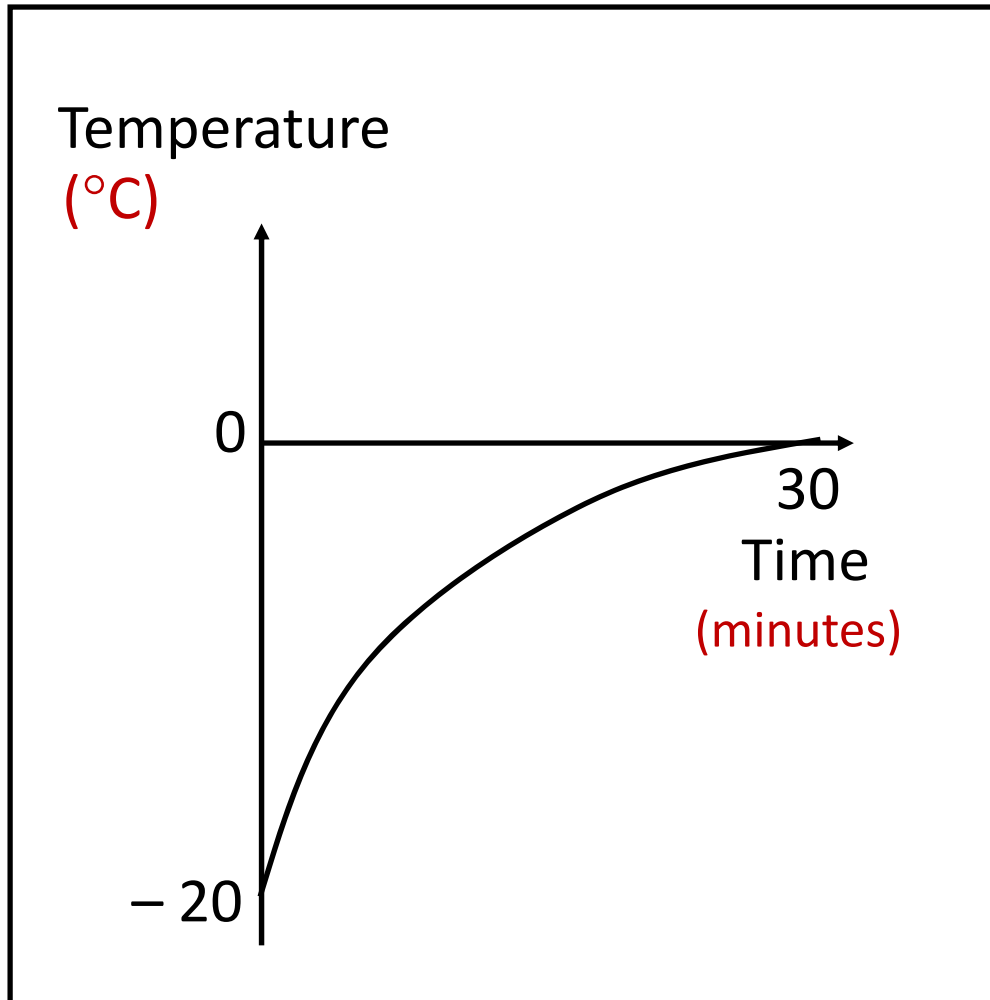
Graph showing 100 mile journey

Distance
travelled
(miles)

100

2

Time (hours)
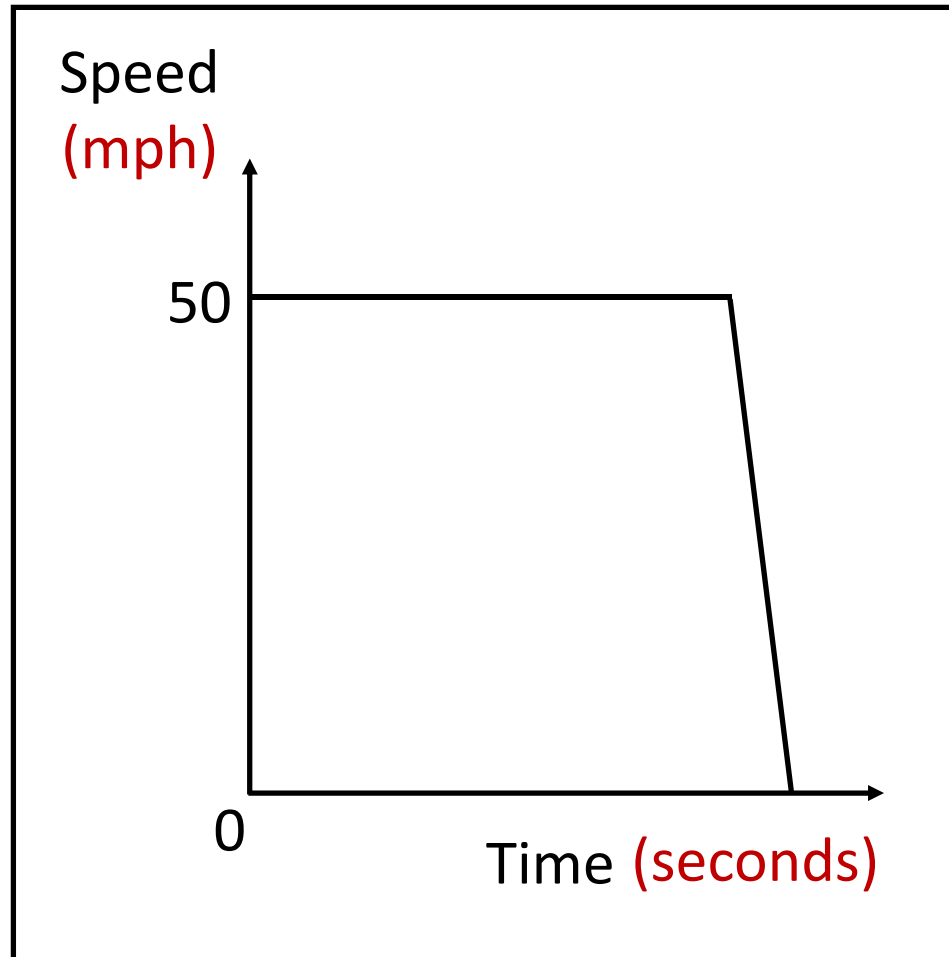
Graph showing amount of oil in tank

Graph showing temperature of water

Graph showing temperature of bread

Conversion graph (°F against °C)
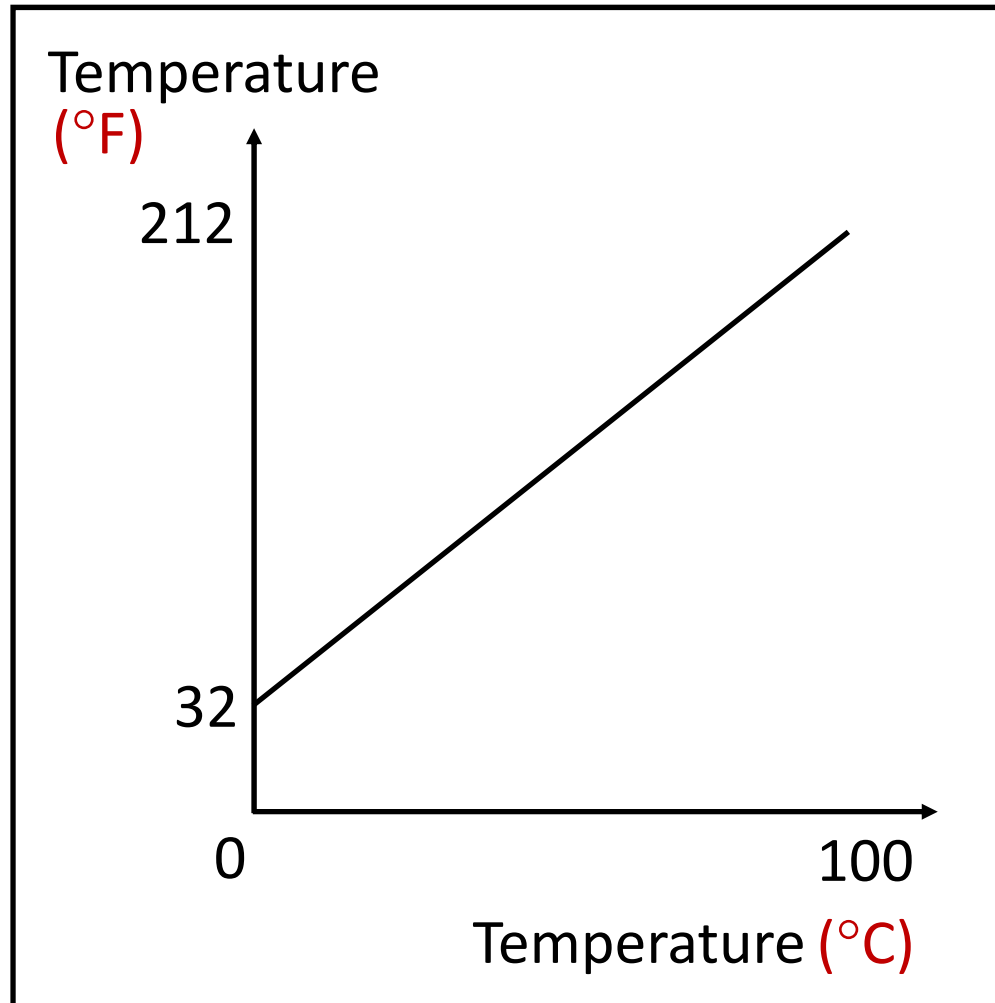
Graph showing vehicle travelling at a steady speed before an emergency stop

Speed (mph)

50

0

Time (seconds)

Graph showing depth of water in bath
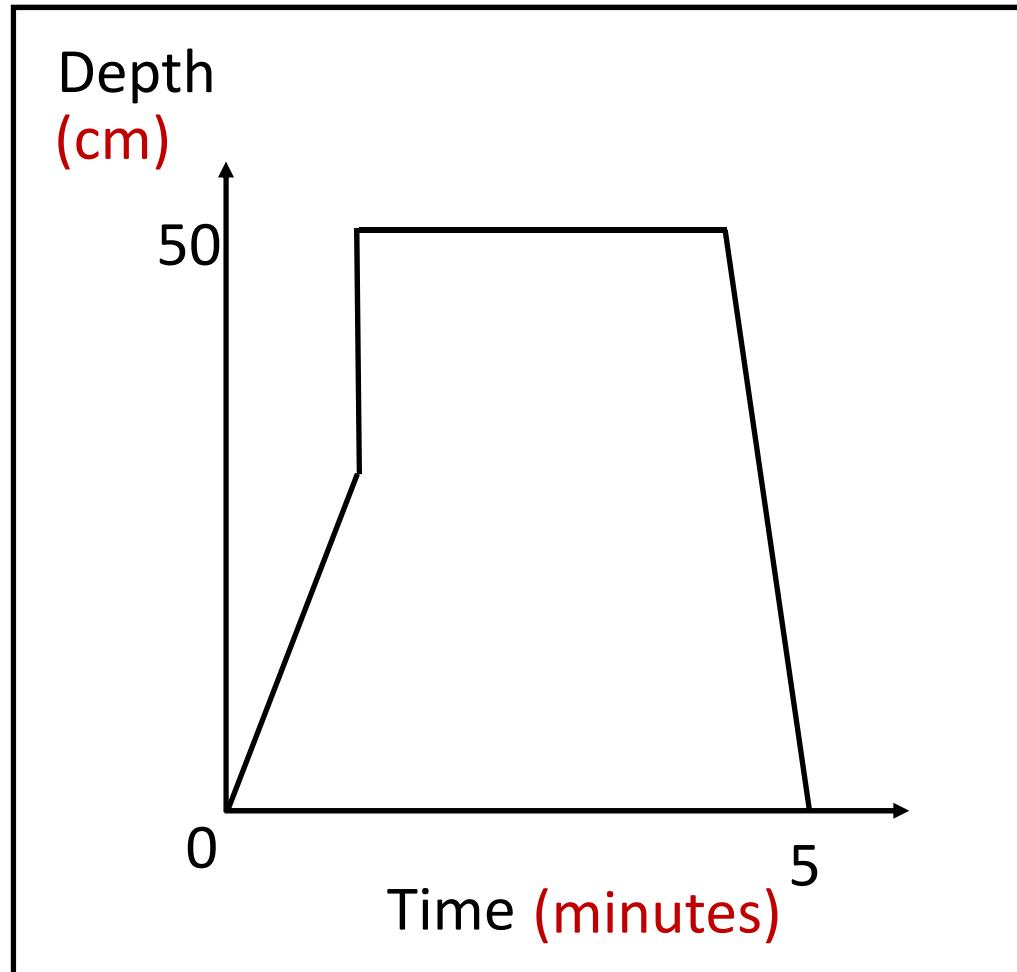
Graph showing vehicle setting off from junction

Speed (mph)

50

0

10

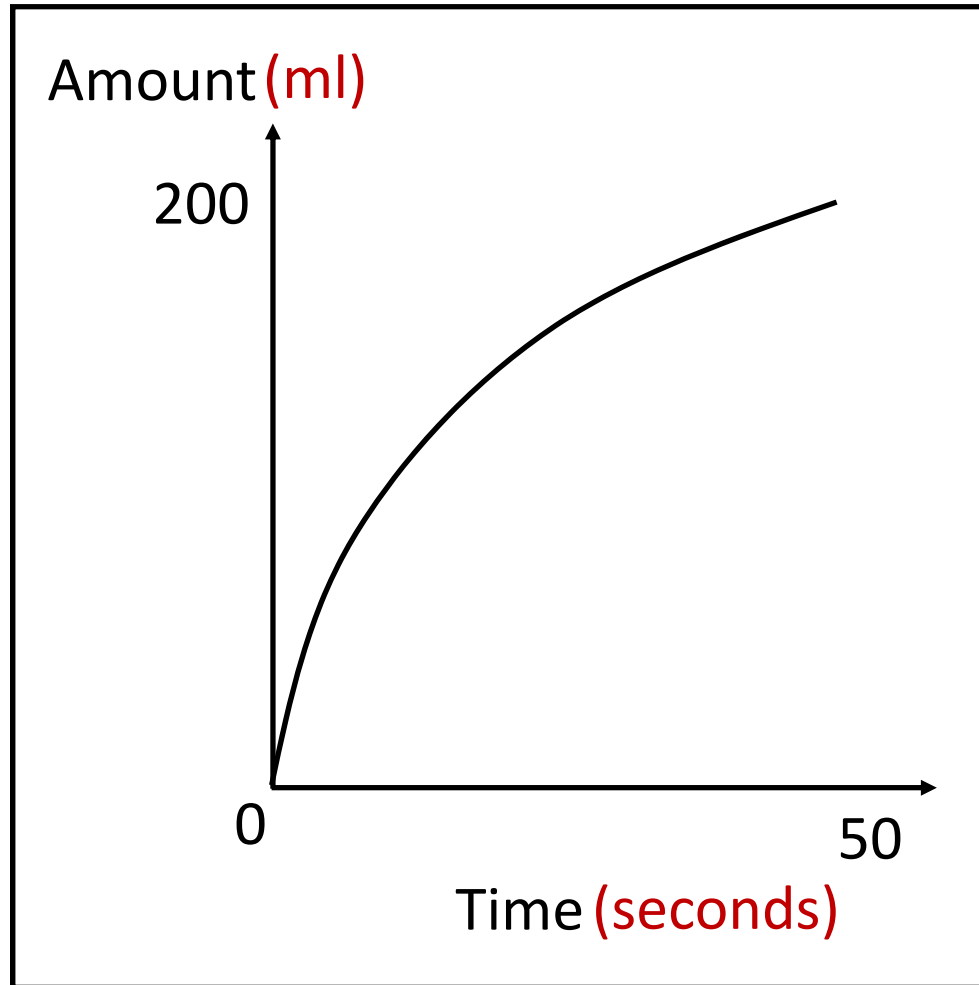Time (seconds)
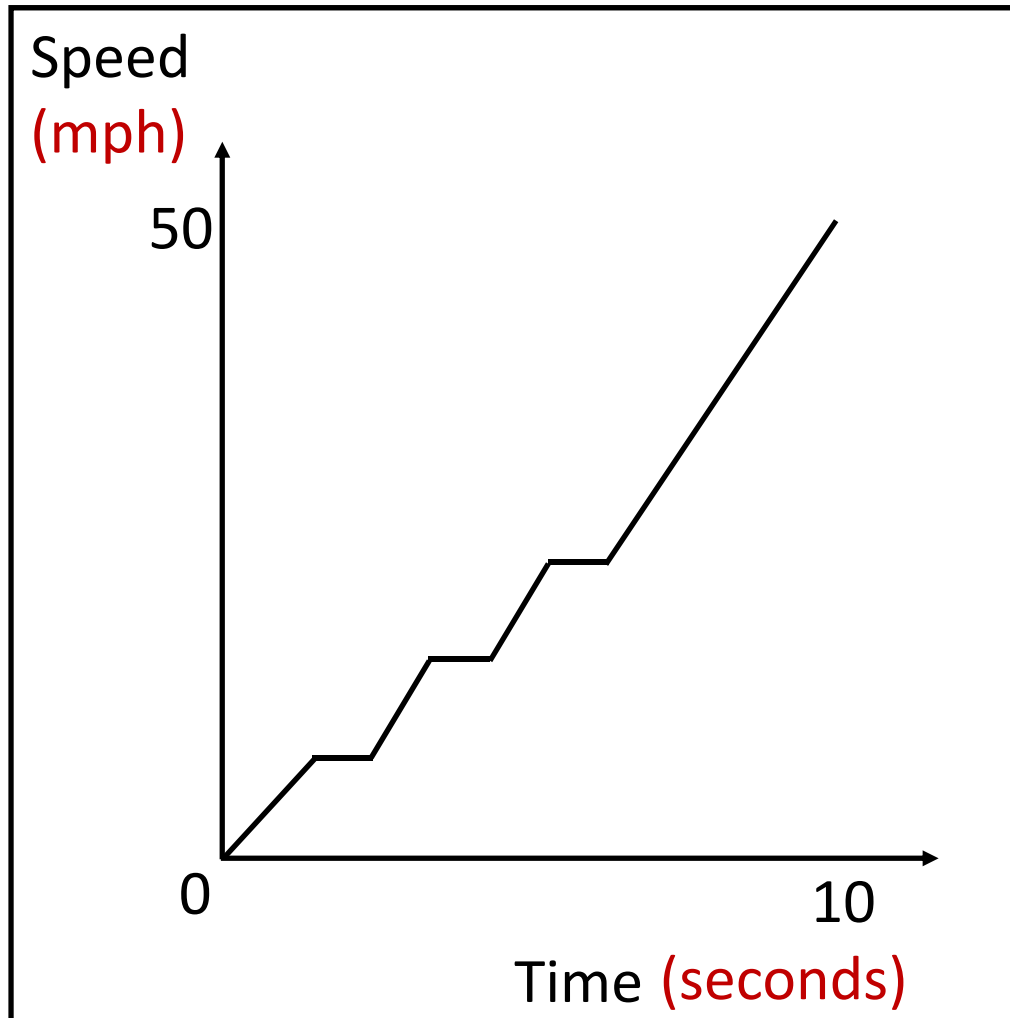
Graph showing growth of a plant
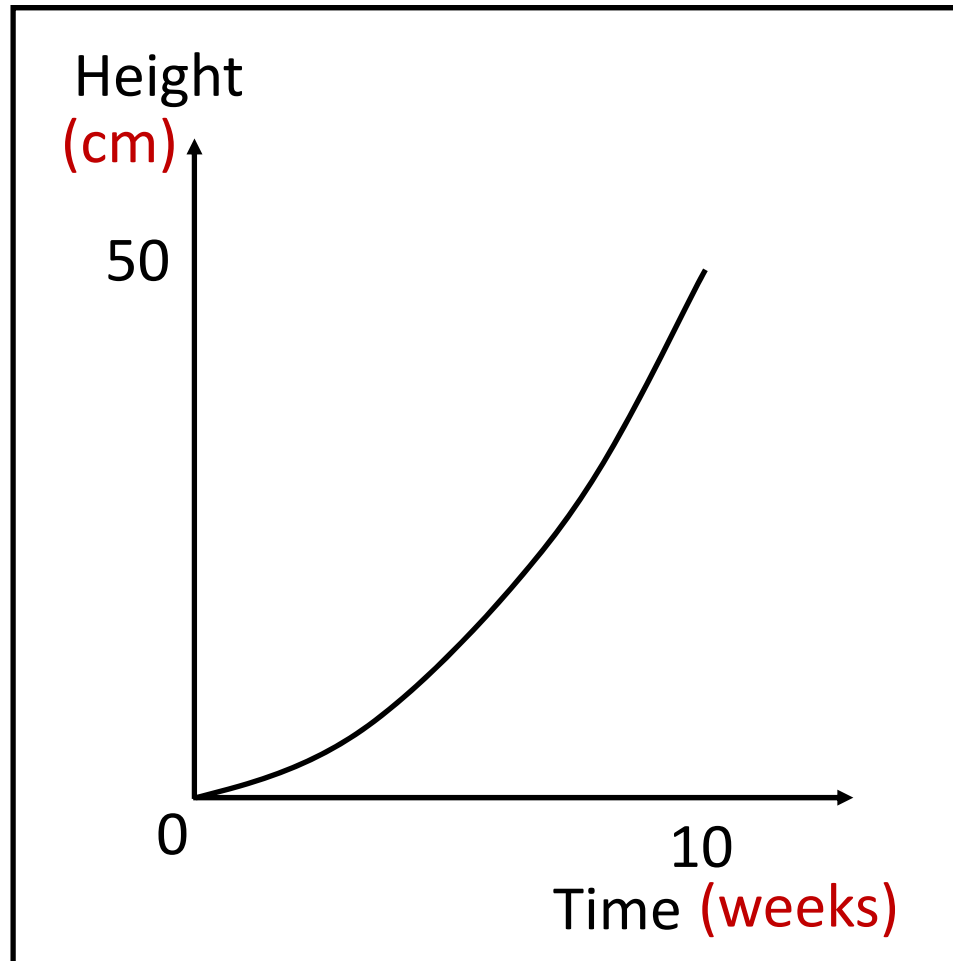
Graph showing heart rate in exercise
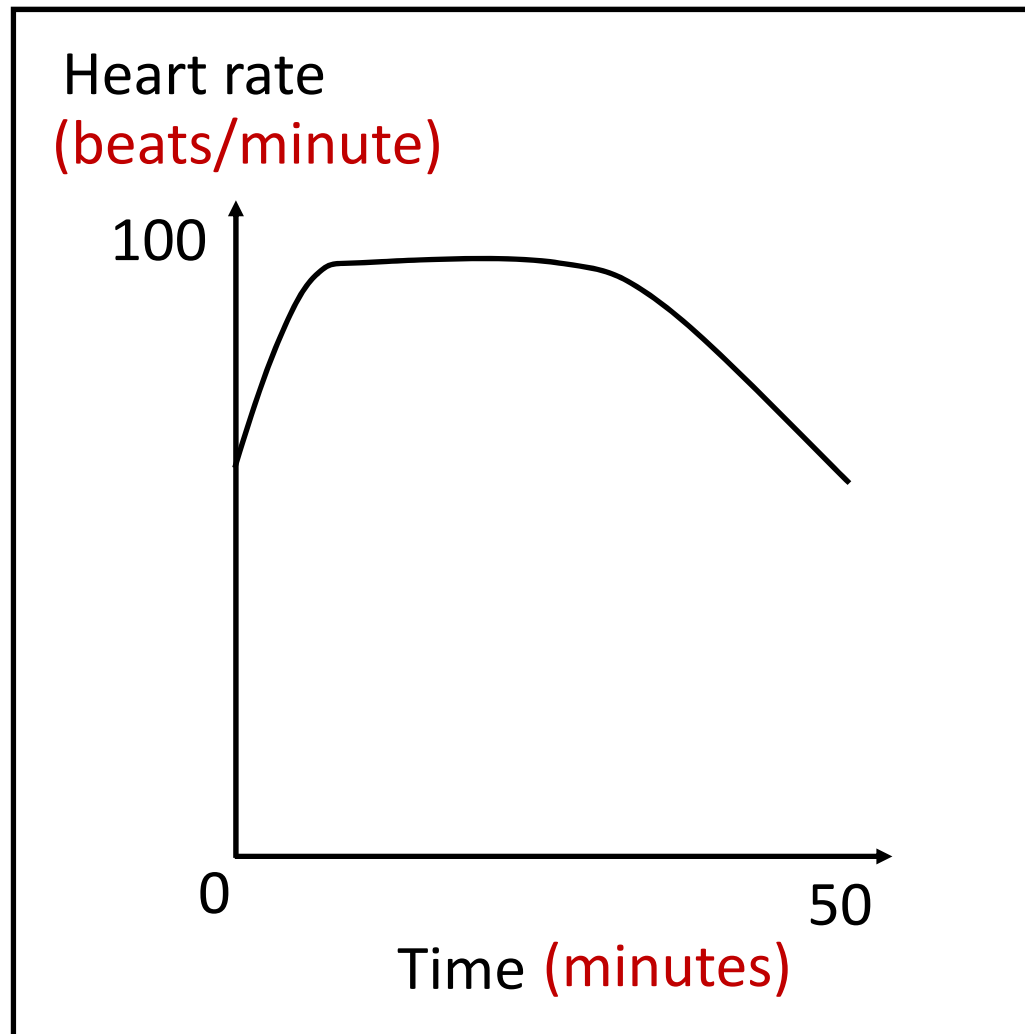
Graph showing amount of water in container

At the end of the activity

When interpreting a graph, which key features are useful?

Describe a real situation that would give a linear graph.

Describe a real situation that would give a curved graph.

Describe a real situation that would give a graph with more than one section (straight or curved).